

having a nongeometrically characterizable shape; waveforms characterizable by a mathematical function; waveforms characterizable by a mathematical approximation; waveforms with at least one of an AC or a DC offset signal; and waveforms without an AC or a DC offset signal.

34. (Previously Presented) The system recited in Claim 33, wherein the electric field comprises a pulse comprising a combination of at least two of the pulses selected from the group of waveforms.

35. (Previously Presented) The system recited in Claim 29, wherein the molecule introducer is selected from a group consisting of a syringe, a jet injector, an oral dosage, a transdermal deliverer, a tissue infuser, and a blood vessel infuser.

36. (Previously Presented) The system recited in Claim 29, wherein the target tissue is selected from a group consisting a skin, tumor, muscle, blood, blood vessel, brain, lymph, liver, pancreas, bone, colon, cardiac, lung, breast, testes, cornea, prostate and intestine.

Claims 37 - 52 (Cancelled)

REMARKS

Applicant has carefully studied the final Examiner's Action mailed March 24, 2004 and the Advisory Action mailed June 17, 2004 and all references cited therein. The amendment appearing above and these explanatory remarks are believed to be fully responsive to the Action. Accordingly, this important patent application is now believed to be in condition for allowance.

Applicant responds to the outstanding Action by centered headings that correspond to the centered headings employed by the Office, to ensure full response on the merits to each finding of the Office.

In the Advisory Action, the Office has allowed claims 1, 2, 4, 6, 8, 10 and 21-36. Because the Office has indicated in the Advisory Action that the proposed amendment would not be entered, the claims, including the proposed amendments, have been presented here again as previously presented in the reply filed on May 24, 2004, in response to the Final Office Action mailed on March 24, 2004. The Office has indicated in the Advisory Action that the proposed amendment to the claims was successful in overcoming the 35 U.S.C. 102(b) rejection of claims 1, 2, 4, 6, 8 and 10. As such, the claims are believed to be in condition for allowance.

Claims 11, 12, 14, 16, 18, 20 and 37-52 have been cancelled without traverse.

By cancellation or amendment of these claims, applicants only wish to advance prosecution of the present application. Applicants reserve the right to prosecute one or more subject matter in the original claims in one or more continuation applications and that equivalence to these claims have not been relinquished by these amendments.

If the Office is not fully persuaded as to the merits of Applicant's position, or if an Examiner's Amendment would place the pending claims in condition for allowance, a telephone call to the undersigned at (727) 507-8558 is requested.

Very respectfully,

SMITH & HOPEN

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pc: University of South Florida

CERTIFICATE OF FACSIMILE TRANSMISSION
(37 C.F.R. 1.8(a))

I HEREBY CERTIFY that this Amendment AF is being transmitted by facsimile to the United States Patent and Trademark Office, Technology Center 1600, Art Unit 1635, Attn: Jon E. Angell, (703) 872-9306 on July 23, 2004.

Dated: July 23, 2004

Shelley Butz
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